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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/043,096	01/14/2002	Sun-Young Lee	242/115	6729

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EXAMINER
HARRIS, ANTON B
ART UNIT
2831
PAPER NUMBER

DATE MAILED: 08/21/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.	Applicant(s)
10/043,096	LEE, SUN-YOUNG
Examiner	Art Unit
Anton B Harris	2831

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply**A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.**

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on ____.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-11 is/are pending in the application.
 - 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) Claim(s) ____ is/are allowed.
- 6) Claim(s) 1-11 is/are rejected.
- 7) Claim(s) ____ is/are objected to.
- 8) Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on ____ is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) The proposed drawing correction filed on ____ is: a) approved b) disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) All b) Some * c) None of:
 - 1. Certified copies of the priority documents have been received.
 - 2. Certified copies of the priority documents have been received in Application No. 10/043,096.
 - 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

- 14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application).
 - a) The translation of the foreign language provisional application has been received.
- 15) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 2 .
- 4) Interview Summary (PTO-413) Paper No(s). ____
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-11 are rejected under 35 U.S.C. 102(b) as being anticipated by Burhart (5,825,607 cited by Applicant).

Regarding claim 1, Burkhart (col. 3 line 49-col. 4 line 54) discloses an apparatus comprising:

a plurality of sliding pockets sunken into the supporting surface 102 of the chuck 108; and

a plurality of sliding pads 112 respectively floating-coupled in the sliding pockets 218 such that the sliding pads 112 are spaced apart from the supporting surface.

Regarding claim 2, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that each of the sliding pockets 218 includes a magnetic pocket body having an internal space that confines a part of the sliding pad 112, and a magnetic base cover 118 spaced apart from a lower part of the sliding pad 112.

Regarding claim 3, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that the sliding pad 112 includes a sliding body with parts having a magnetic polarity identical to the magnetic

polarity of corresponding parts of the pocket body 218 and base cover 118, and a supporting member 113 installed at a part of an upper surface of the sliding body (top of 112). See figure 2.

Regarding claim 4, Burkhart (col. 5 lines 61-col. 6 line 4) discloses that the corresponding parts of the sliding pocket 218 and sliding body 112 are made of the same magnetic substance.

Regarding claim 5, Burkhart (figure 1) discloses that the sliding pad 112 is in a reverse T shape.

Regarding claim 6, Burkhart (figure 1) discloses that the lower part of the pocket body 218 and the base cover 118 are fixed at a predetermined depth into the supporting surface 102 of the chuck 108. See figure 2.

Regarding claim 7, Burkhart (col. 3 line 49-col. 4 line54) discloses that the supporting chuck 108 is an electrostatic chuck.

Regarding claim 8, Burkhart (col. 3 line 49-col. 4 line54) discloses that the object to be fabricated is a semiconductor wafer 116.

Regarding claim 9, Burkhart (col. 3 line 49-col. 4 line54) discloses an apparatus comprising:

a plurality of sliding pockets sunken into the supporting surface 102 of the chuck 108;
and

a plurality of sliding pads 112 respectively floating-coupled in the sliding pockets 218 such that the sliding pads 112 are spaced apart from the supporting surface.

Furthermore regarding claims 9-11, the methods disclosed therein are deemed as inherent in the assembly of the apparatus as claimed as fully met by the above reference Burkhardt and are subsequently rejected.

Conclusion

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Kamitani U.S. Patent No. 6,028,762 discloses an electrostatic chuck with grooves formed on the surface layer and a semiconductor wafer.

Ushikoshi et al. U.S. Patent No. 6,057,513 discloses a plurality of sliding pockets sunken into the supporting surface.

Hausmann U.S. Patent No. 6,067,222 discloses an electrostatic chuck with a chuck body.

4. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anton B Harris whose telephone number is (703) 305-4764. The examiner can normally be reached on weekdays from 8:30am to 5:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mr. Dean Reichard, can be reached on (703) 308-3682. The fax phone number for the organization where this application or proceeding is assigned is (703) 305-1341.

Any inquiry of a general nature or relating to the status of this application should be directed to the Group receptionist whose telephone number is (703) 308-0956.

abh

Dean A. Reichard 8/14/03
DEAN A. REICHARD
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